LMA District Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2092 Dos Rios

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)			
* Overall LMA Rating (Fall Only)							
	** Non-receipt of Su	ımmer or Winter Insp	ection Reports may effec	ct overall annual rating			
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall. FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.							
	п пореслот герога.						
comments							

Unit Cover Sheet

Spring 2012 Levee Inspection Results

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles
Unit No. 01 San Joaquin River	Right	3.76

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	5/17/2012 - 5/17/2012			
DWR Inspector	Pavel Kazi			
Accompanied By				

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

LMR	Levee	Mile	Catamani	lto	Loca	Rating	A abitan/O amana ant	GPS Latitu	de/Longitude	Issue No.
No.	Start	End	Category	Item	_ocation	ing +	Action/Comment	Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS	M Ma	Inspector Comments: The ownership of this LMA has recently changed and I have contacted them regarding the information. They have not responded to me with all the required information.	o DWR ID: DWR	RD2092_01_s _ 201:	
2			Earthen	Emergency	LS	Α	Inspector Comments: According to my last visit with Mr.			- ° 26
			Levee	Supplies & Equipment	LO	Ma	Lyons Jr, they appeared to have adequate flood fighting materials at their location.	0	200000 04 - 004	
									RD2092_01_s _ 201:	
3			Earthen Levee	Operations & Maintenance Manuals	LS	M Ma	Inspector Comments: I have sent the new owner a website link to rertive the neccesary O&M manuals for their districts.	0	•	0
									RD2092_01_s _ 201:	
4	0.38	0.70	Earthen Levee	Encroachments	WS	M En	AD : Agricultural Ditch		37.598233 ° -121.167937 ° RD2092_01_s _ 201	0
5	0.51	0.51	Earthen	Animal Control	LS	С	A3 : No rodents visible, but rodent burrows visible; need to	37.600651 °		
			Levee			Ма	backfill and compact or grout burrows.		-121.166749 °	
6	0.55	0.55	Earthen Levee	Animal Control	LS	A Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		37.600104 ° -121.166909 ° RD2092_01_s _ 201	° Y
7	0.55	0.55	Earthen Levee	Animal Control	LS	C Ma	$\mbox{A3}$: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		37.600095 ° -121.166909 ° RD2092_01_s _ 201:	0
	0.77	4.00	C4b	F			AD - A misself and Ditals			
	0.77	1.33	Earthen Levee	Encroachments	LS	M En	AD : Agricultural Ditch	37.597291 ° -121.168496 ° DWR ID: DWR_		° Y
9	0.88	0.88	Earthen	Animal Control	LS	М	A3 : No rodents visible, but rodent burrows visible; need to	37.595762°		
			Levee			Ма	backfill and compact or grout burrows.		-121.168187 ° RD2092_01_s _ 201:	
10	1.34	1.57	Earthen	Encroachments	LS	М	AD : Agricultural Ditch	37.590479°		
			Levee			En			-121.162349 ° RD2092_01_s _ 201:	
11	1.34	1 34	Earthen	Encroachments	LS	М	PI : Pipe	37.590467 °		
	1.54	1.54	Levee	Lincioaciiiients	LO	Ма	Inspector Comments: A sand boil appeared on the landside toe of the levee because of an underground pipe leakage.	-121.163822 °		
							iounage.	DWR ID: DWR_	RD2092_01_s _ 201	2_10
12	1.34	1.34	Earthen	Animal Control	LS	М	A3 : No rodents visible, but rodent burrows visible; need to	37.590458°		
			Levee			Ма	backfill and compact or grout burrows.		-121.163798 °RD2092_01_s _ 201	
13	1.36	1.36	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.		37.590341 ° -121.163549 ° RD2092_01_s _ 201	° Y
14	1.47	1.47	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.		37.589053 ⁶ -121.162168 ⁶ RD2092_01_s _ 201	• Y

LS : Land Side WS : Water Side CR : Crown

* Location

** Rating

A : Acceptable N : I M : Minimally Acceptable C : U : Unacceptable A/W : A

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

LMR No.	Levee	Mile End	Category	Item	Location *	Action/Comment	GPS Latitude/Longitude No. Start End Photo
15			Earthen Levee	Slope Stability	LS N	S1 : Repair slope instability.	37.589061 ° 37.589061 ° 25 -121.162168 ° -121.162168 ° Y DWR ID: DWR_RD2092_01_s_2012_25
16	1.53	1.53	Earthen Levee	Animal Control	LS N		37.588375 ° 37.588375 ° 12 -121.162084 ° -121.162084 ° Y DWR ID: DWR_RD2092_01_s_2012_12
17	1.58	1.58	Earthen Levee	Animal Control	LS A		37.587657 ° 37.587657 ° 23 -121.162393 ° -121.162393 ° Y DWR ID: DWR_RD2092_01_s_2012_23
18	1.59	1.87	Earthen Levee	Encroachments	WS N	AD : Agricultural Ditch	37.587575 ° 37.584057 ° 8 -121.162454 ° -121.162387 ° Y DWR ID: DWR_RD2092_01_s_2012_8
19	1.59	1.62	Earthen Levee	Animal Control	LS C	311 3	37.587564 ° 37.587117 ° 970 -121.162459 ° -121.162732 °
20	1.80	2.57	Earthen Levee	Vegetation	WS N	grand and a second a second and	37.584737 ° 37.578584 ° 20 -121.163246 ° -121.157006 ° DWR ID: DWR_RD2092_01_s_2012_20
21	1.98	1.98	Earthen Levee	Animal Control	LS C		37.584397 ° 37.584397 ° 15 -121.160363 ° -121.160363 ° DWR ID: DWR_RD2092_01_s_2012_15
22	2.02	2.02	Earthen Levee	Crown Surface / Depressions / Rutting	CR M	, , ,	37.584355 ° 37.584355 ° 27 -121.159676 ° -121.159676 ° Y
23	2.07	2.07	Earthen Levee	Animal Control	LS N	1 1 50	37.584295 ° 37.584295 ° 971 -121.158809 ° -121.158809 ° Y DWR ID: DWR_RD2092_01_s_2012_971
24	2.09	2.09	Earthen Levee	Animal Control	LS A	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.584226 ° 37.584226 ° 22 -121.158437 ° -121.158437 ° Y DWR ID: DWR_RD2092_01_s_2012_22
25	2.10	2.10	Earthen Levee	Animal Control	LS C		37.584200 ° 37.584200 ° 16 -121.158298 ° -121.158298 ° DWR ID: DWR_RD2092_01_s_2012_16
26	2.13	2.13	Earthen Levee	Animal Control	LS C		37.584004 ° 37.584004 ° 17 -121.157831 ° -121.157831 ° DWR ID: DWR_RD2092_01_s_2012_17
27	2.41	2.41	Earthen Levee	Animal Control	CR M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.580856 ° 37.580856 ° 21 -121.156444 ° -121.156444 ° Y DWR ID: DWR_RD2092_01_s_2012_21
28	2.41	2.41	Earthen Levee	Animal Control	LS N	1 160	37.580851 ° 37.580851 ° 28 -121.156438 ° -121.156438 ° Y DWR ID: DWR_RD2092_01_s_2012_28
29	2.42	2.42	Earthen Levee	Animal Control	LS N	1 160	37.580441 ° 37.580441 ° 14 -121.156758 ° -121.156758 ° Y DWR ID: DWR_RD2092_01_s _ 2012_14

LS : Land Side WS : Water Side CR : Crown

Location

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

LMR	Levee	Mile	Catagony	Item	Location	Action/Comment	GPS Latitud	le/Longitude	Issue No.
No.	Start	End	Category	item	tion +	Action/Comment	Start	End	Photo
30	2.67	2.67	Earthen Levee	Slope Stability	LS M	S1 : Repair slope instability.	37.577214 ° -121.157151 ° DWR ID: DWR_RI	37.577214 ° -121.157151 ° _{D2092_01_s _ 2012}	Υ
31	2.73	2.73	Earthen Levee	Slope Stability	LS M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	-121.157217 °	37.576336 ° -121.157217 ° ^{D2092} _01_s _ 2012	Υ
32	2.76	2.76	Earthen Levee	Slope Stability	WS M	S1 : Repair slope instability.	37.575946 ° -121.157230 ° DWR ID: DWR_RI	37.575946 ° -121.157230 ° D2092_01_s _ 2012	Υ
33	2.84	3.09	Earthen Levee	Encroachments	LS M	FE : Fences Inspector Comments: Barbed wire fence on landward slope.	37.574973 ° -121.156647 °	37.574001 ° -121.152183 °	Y
34	3.40	3.40	Earthen Levee	Animal Control	LS A/\	V A2 : Repair the levee slope damaged by livestock and prevent large animal access.	37.573334 ° -121.147022 °	37.573334 °	18

* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	6				
Start Levee Mile	0.55				
End Levee Mile	0.55				
Location	Land Side				
Category	Earthen Levee				
Item	Animal Control				
The rodent holes were repaired by the LMA on the landside of the levee looking upstream.					

pkazi_s_20120518_060.jpg

Levee Mile Report Line	8
Start Levee Mile	0.77
End Levee Mile	1.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of agricultural ditch at the landward toe looking upstream.

pkazi_s_20120305_755.jpg

Levee Mile Report Line	9
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the landside of the levee looking downstream.

pkazi_s_20120518_061.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	10	
Start Levee Mile	1.34	
End Levee Mile	1.57	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
An agricultural ditch was found on the toe of the		

landside of the levee looking upstream.

pkazi s 20120305 738.jpg

Levee Mile Report Line	11
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

A sand boil was found on the landside of the levee. It was caused by a pipe leak couple of feet below the boil location. LMA was notified to repair it as soon as possible. The picture was taken from the crown looking upstream.

pkazi_s_20120305_740.jpg

Levee Mile Report Line	11
Start Levee Mile	1.34
End Levee Mile	1.34
Location	Land Side
Category	Earthen Levee
Item	Encroachments

During spring inspection 2012, the sand boil was not active but materials were present on the landside toe of the levee. The sand boil occurred due to an underground irrigation pipe leakage. The picture was taken from the crown looking toward the toe of the levee.

pkazi_s_20120518_062.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

Ma: Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	13	
Start Levee Mile	1.36	
End Levee Mile	1.36	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
Slope instability was found on the landside slope		

of the levee looking upstream.

pkazi_s_20120305_741.jpg

Levee Mile Report Line	14
Start Levee Mile	1.47
End Levee Mile	1.47
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Animal holes were found on the landside of the levee looking upstream.

pkazi_s_20120518_063.jpg

Levee Mile Report Line	15
Start Levee Mile	1.47
End Levee Mile	1.47
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the landside of the levee looking upstream.

pkazi_s_20120305_748.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	16	
Start Levee Mile	1.53	
End Levee Mile	1.53	
Location	Land Side	
Category	Earthen Levee	
Item	Animal Control	
Rodent holes were found on the landside of the		

levee looking upstream.

pkazi_s_20120305_742.jpg

Levee Mile Report Line	16
Start Levee Mile	1.53
End Levee Mile	1.53
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the landside slope of the levee looking upstream.

pkazi_s_20120518_064.jpg

17
1.58
1.58
Land Side
Earthen Levee
Animal Control

Rodent holes were repaired by the LMA on the landside slope of the levee looking upstream.

pkazi_s_20120518_067.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	18	
Start Levee Mile	1.59	
End Levee Mile	1.87	
Location	Water Side	
Category	Earthen Levee	
Item	Encroachments	
View of an agricultural ditch at the waterward toe of the slope.		

pkazi_s_20120305_739.jpg

Levee Mile Report Line	22
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Crown
Category	Earthen Levee
Item	Crown Surface / Depressions / Rutting

Crown depression was found due to vehicular traffic. The picture was taken from crown looking downstream.

pkazi_s_20120305_749.jpg

Levee Mile Report Line	23
Start Levee Mile	2.07
End Levee Mile	2.07
Location	Land Side
Category	Earthen Levee
Item	Animal Control
View of rodent holes in th	ne landward shoulder

looking upstream.

pkazi_s_20120305_759.jpg







Location LS: Land Side WS : Water Side CR : Crown

Tuesday, June 05, 2012 15:53

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	24		
Start Levee Mile	2.09		
End Levee Mile	2.09		
Location	Land Side		
Category	gory Earthen Levee		
Item Animal Control			
Rodent holes were repaired by the LMA on the landside slope of the levee looking upstream.			

pkazi_s_20120518_066.jpg

Levee Mile Report Line	27
Start Levee Mile	2.41
End Levee Mile	2.41
Location	Crown
Category	Earthen Levee
Item	Animal Control

A rodent hole was found on the crown of the levee looking downstream.

pkazi_s_20120518_065.jpg

Levee Mile Report Line	28
Start Levee Mile	2.41
End Levee Mile	2.41
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the landside slope of the levee. The picture was taken from the crown looking upstream.

pkazi_s_20120305_750.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	28	
Start Levee Mile	2.41	
End Levee Mile	2.41	
Location	Land Side	
Category	Earthen Levee	
Item	Animal Control	
Undated picture of rodent hole on the landside of		

the levee looking upstream during fall 2011 inspection.

pkazi_s_20120305_751.jpg

Levee Mile Report Line	29
Start Levee Mile	2.42
End Levee Mile	2.42
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Rodent holes were found on the landside slope of the levee looking upstream.

pkazi_s_20120305_743.jpg

Levee Mile Report Line	30
Start Levee Mile	2.67
End Levee Mile	2.67
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Slope instability was found on the landside slope of the levee. The slope was also damaged by a vehicle. The picture was taken from the crown looking upstream.

pkazi_s_20120305_747.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	31	
Start Levee Mile	2.73	
End Levee Mile	2.73	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
Slope instability was found on the landside of the		

pkazi_s_20120305_752.jpg

levee looking upstream.

Levee Mile Report Line	31
Start Levee Mile	2.73
End Levee Mile	2.73
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

Updates picture of the slope instability on the landside of the levee looking upstream.

pkazi_s_20120305_753.jpg

Levee Mile Report Line	32	
Start Levee Mile	2.76	
End Levee Mile	2.76	
Location	Water Side	
Category	Earthen Levee	
Item	Slope Stability	
Slone instability was found on the waterside of		

Slope instability was found on the waterside of the levee looking upstream.

pkazi_s_20120305_754.jpg







Location LS: Land Side WS : Water Side CR : Crown

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monite

: Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Spring 2012

Reclamation District No. 2092 Dos Rios

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	3.76	05/17/2012 05/17/2012	Pavel Kazi

Levee Mile Report Line	33	
Start Levee Mile	2.84	
End Levee Mile	3.09	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
View of barbed wire fence along the waterward slope looking upstream.		
pkazi_s_20120305_760.jpg		

